Milestone One

CS 350

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**What does pwmled2 set the PWM period to?**

The pwmled2 file sets the PWM period to 3000. This informed me of the values for 90% and 10% of the period for the assignment. 90% of 3000 is 2700, and 10% of 3000 is 300.  **Which PWM\_xxx() function sets the PWM period?**

PWM\_setDuty() sets the period of the specified PWM handle. It takes the handle input and the duty value. For example, PWM\_setDuty(pwm1, 2700).  **Which PWM\_xxx() function sets the PWM duty cycle?**

PWM\_Params\_init() sets the duty cycle of the specified PWM handle. This sets the initial parameters for the PWM duty cycle.  **What is the purpose of the while(1) loop in pwmled2?**

The purpose of the while(1)loop in the pwmled2 file is to signify that the board is on and has an electronic pulse. So, while the board is on, the specified code will execute. 0 would mean that the board is off and has no electronic pulse.  **What is the purpose of usleep() in the while(1) loop?**

The purpose of usleep() in the while(1) loop is to signify a specified amount of time for the light to rest between duty changes. This allows the LED to switch between duty percentages, thus creating the blinking lights.